

# Resources for Instructors

## Online Tools

A collection of online tools—including photos, artwork, an *Instructor's Solutions Manual*, and other media—can be accessed from the *University Physics* website at [www.mhhe.com/bauerwestfall2e](http://www.mhhe.com/bauerwestfall2e). These tools provide content for novice and experienced instructors who teach in a variety of styles. Included in the collection are PowerPoint® slides containing full-color digital files of all illustrations in the text, a collection of digital files of photographs from the text, libraries of all the solved problems, examples, tables, and numbered equations from the text, and ready-made PowerPoint lecture outlines that include art, lecture notes, and additional examples for each section of the text. An *Instructor's Solutions Manual* with complete worked-out solutions to all of the end-of-chapter Questions and Exercises is available in document and PDF formats. The latest research in physics education shows that in-class use of personal response systems (or “clickers”) improves student learning, so a full set of clicker questions based on the Concept Checks from the text is available on the companion website.

## Computerized Test Bank Online

Over 2300 text questions in multiple-choice format, written by exceptional instructors and fully updated to reflect the content of the second edition, are included on the Connect website. These questions are organized by test section and represent a variety of difficulty levels. By working within the ConnectPhysics online platform, you can select questions from multiple McGraw-Hill test banks or create your own to better reflect the interests and needs of your students. This test bank allows you to easily create paper and online tests or quizzes from anywhere at any time, without installing any software.

## McGraw-Hill LearnSmart™

McGraw-Hill LearnSmart™ is available as an integrated feature of McGraw-Hill Connect® Physics or as a stand-alone product for instructors who choose not to use online homework. Written by experienced professors and informed by the latest in physics education research, LearnSmart is an adaptive learning system designed to help students learn faster, study more efficiently, and retain more knowledge for greater success. LearnSmart assesses a student's knowledge of course content through a series of adaptive questions. It is designed to address common student misconceptions, pinpointing concepts a student does not understand and mapping out a personalized study plan for success. This innovative study tool also has features that allow instructors to see exactly what students have accomplished and a built-in assessment tool for graded assignments. Visit the following site for a demonstration: [www.mhlearnsmart.com](http://www.mhlearnsmart.com).

## McGraw-Hill ConnectPlus® Physics

McGraw-Hill Connect® Physics provides online presentation, assignment, and assessment tools. It connects your students with the resources they'll need to achieve success. With Connect Physics, you can deliver assignments, quizzes, and tests online. A full set of online homework problems, test bank questions, LearnSmart study modules, clicker questions, animations, interactive applets, and videos are available. Each online homework problem in Connect Physics uses the text problem-solving methodology and is tailored with specific hints and feedback for all questions. As an instructor, you can edit existing questions or problems and author entirely new ones. Track individual student performance—by question, assignment, or in relation to the class overall—with detailed grade reports. Integrate grade reports easily with Learning Management Systems (LMS), such as WebCT, Desire2Learn, and Blackboard, and much more. ConnectPlus Physics provides students with all the advantages of Connect Physics, plus 24/7 online access to an eBook. This media-rich version of the book is available through the McGraw-Hill Connect platform and allows seamless integration of text, media, and assessments. To learn more, visit [www.mcgrawhillconnect.com](http://www.mcgrawhillconnect.com).

## McGraw-Hill Create™

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## My Lectures—Tegrity®

McGraw-Hill Tegrity® records and distributes a class lecture with just a click of a button. Students can view a lecture anytime and anywhere via computer, iPod, or mobile device. Tegrity indexes as it records your PowerPoint® presentations and anything shown on your computer, so students can use keywords to find exactly what they want to study or review. Tegrity is available as an integrated feature of McGraw-Hill Connect and as a stand-alone.